

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER P-15-3  
Relating to Certification of New Motor Vehicles

NISSAN MOTOR CO., LTD.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Nissan Motor Co., Ltd. federally certified emission control systems are certified for sale in California as described below for gasoline-powered light-duty trucks:

<u>Engine Family</u>	<u>Displacement</u>		<u>Exhaust Emission Control Systems</u> <u>(Special Features)</u>
	<u>Liters</u>	<u>(Cubic Inches)</u>	
JNS3.0T5HCF6	3.0	(180.6)	Exhaust Gas Recirculation Air Injection - Valve Heated Oxygen Sensor Dual Bed Catalyst (Central Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons</u> <u>Grams per Mile</u>	<u>Carbon Monoxide</u> <u>Grams per Mile</u>	<u>Nitrogen Oxides</u> <u>Grams per mile</u>
0.80	10	1.7

The following are the certification emission values for this engine family:

<u>Hydrocarbons</u> <u>Grams per Mile</u>	<u>Carbon Monoxide</u> <u>Grams per Mile</u>	<u>Nitrogen Oxides</u> <u>Grams per Mile</u>
0.44	6	0.9

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided evidence of federal certification of vehicle models listed in the attachments which are not available as California-certified models.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate that the vehicle manufacturer has sufficient emissions credits for its estimated California sales of federally-certified 1988 model-year vehicles using the "Guidelines for Certification of 1983 and Subsequent Model-Year Federally Certified Light-Duty Motor Vehicles For Sale in California" (Title 13, California Administrative Code, Section 1960.5).

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 4th day of September, 1987.

  
K. D. Drachard, Chief  
Mobile Source Division

#17.12.00-1

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17.12.00 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 1

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS3.0T5HCF6

Evaporative Family: TBI-3 Engine Type: V-6, OHC

Liters (CID): 3.0 (180.6)

ABBREVIATIONS

<u>Ignition System</u>	<u>Exhaust Emission Control System</u>	<u>Special Features</u>
CA-Centrifugal Advance	AIP-Air Injection-Pump	CCV-Combustion Chamber Valve
EEC-Electronic Engine Control	AIV-Air Injection-Valve	CFI-Central Fuel Injection or Throttle Body Injection
EI-Electronic Ignition	DBC-Dual Bed Catalyst	DID-Diesel Injection-Direct
ESAC-Electronic Spark Advance Control	EGR-Exhaust Gas Recirculation	DIP-Diesel Injection-Prechamber
VA-Vacuum Advance	EIC-Electronic Injection Control	EFI-Electronic Fuel Injection
VR-Vacuum Retard	EM-Engine Modification	IC-Intercooler or aftercooler
	OC-Oxidation Catalyst System	MFI-Mechanical Fuel Injection
	OS-Oxygen Sensor	TC-Turbocharger
	SPL-Smoke Puff Limiter or Throttle Delay	OBD-On-Board Diagnostics
	TOC-Trap Oxidizer, Continual	
	TOP-Trap Oxidizer, Periodical	
	ECC-Electronic Control Carburetor	
	ECCS-Electronic Concentrated Control System	
	HOS-Heated Oxygen Sensor	
	TWC-Three-Way Catalyst System	
	WUOC-Warm-Up Oxidation Catalyst	
	WUTWC-Warm-Up Three-Way Catalyst	

VEHICLE MODELS:

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
AV30IFM2 ] BV30IFM2 ]	NISSAN CAB AND CHASSIS	5-speed Manual

Engine: Front X Mid.        Rear       

Drive : FWD        RWD X 4WD Full Time        4WD Part Time       

Issue Date: 07/22/87

Revision Date:

\*17.12.00-2

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Passenger Cars \_\_\_\_\_ Light-Duty Trucks X Medium-Duty Vehicles \_\_\_\_\_ Gas X Diesel \_\_\_\_\_

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS3.0T5HCF6  
 Liter (CID): 3.0 (180.6) Eng. Type: V-6, OHC  
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC+OC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No.	Catalyst Part No.
AV30IFM2 BV30IFM2	CAB AND CHASSIS (25.0)	M5	4000**	Distributor D6P84-01 (HITACHI) T5T61372 (MITSUBISI) Control Unit MECS-G440	Control Unit MECS-G440 Air Flow Meter and Fuel Injector (SPI Body Assy) RGA50-31 (without ASCD) RGA50-33 (with ASCD)	EGR Valve AEY77-6	D-xx,xJ D-xx,xK D-xx,xE D-xx,xF

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

\*\*EIW of these models are between 4000 - 5999 lbs.

\*\*\*The figures and numbers in the place of the mark x are variable according to lot number and production date.

Issue Date: 07/22/87

Revision Date:

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Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS3.0T5HCF6

Evaporative Family: TBI-3 Engine Type: V-6, OHC

Liters (CID): 3.0 (180.6)

# ABBREVIATIONS

## Ignition System

CA-Centrifugal Advance  
EEC-Electronic Engine Control  
EI-Electronic Ignition  
ESAC-Electronic Spark Advance  
Control  
VA-Vacuum Advance  
VR-Vacuum Retard

## Fuel System

CFI, CL, DID, DIP, EFI, MFI  
nV-nVenturi Carburetor

## Exhaust Emission Control System

AIP-Air Injection-Pump  
AIV-Air Injection-Valve  
DBC-Dual Bed Catalyst  
EGR-Exhaust Gas Recirculation  
EIC-Electronic Injection Control  
EM-Engine Modification  
OC-Oxidation Catalyst System  
OS-Oxygen Sensor  
SPL-Smoke Puff Limiter or  
Throttle Delay  
TOC-Trap Oxidizer, Continual  
TOP-Trap Oxidizer, Periodical  
ECC-Electronic Control Carburetor  
ECCS-Electronic Concentrated  
Control System  
HOS-Heated Oxygen Sensor  
TWC-Three-Way Catalyst System  
WUOC-Warm-Up Oxidation Catalyst  
WUTWC-Warm-Up Three-Way Catalyst

## Special Features

CCV-Combustion  
Chamber Valve  
CFI-Central Fuel  
Injection or  
Throttle Body  
Injection  
DID-Diesel  
Injection-Direct  
DIP-Diesel  
Injection-  
Prechamber  
EFI-Electronic  
Fuel Injection  
IC-Intercooler  
or aftercooler  
MFI-Mechanical  
Fuel Injection  
TC-Turbocharger  
OBD-On-Board  
Diagnostics

## VEHICLE MODELS:

### Engine Code

AV30IFA2]  
BV30IFA2]

### Model

NISSAN CAB AND CHASSIS

### Transmission

Automatic

Engine: Front X Mid.        Rear       

Drive : FWD        RWD X 4WD Full Time        4WD Part Time       

Issue Date: 07/22/87

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Passenger Cars      Light-Duty Trucks X Medium-Duty Vehicles      Gas X Diesel     

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS3.0T5HCF6

Liter (CID): 3.0 (180.6) Eng. Type: V-6, OHC

Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC+OC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU)  Part No.	Fuel System  Part No.	EGR Valve  Part No.	Catalyst  Part No.
AV301FA2 BV301FA2	CAB AND CHASSIS (25.0)	L4	4000**	Distributor D6P84-01 (HITACHI)  T5T01372 (MITSUBISI)  Control Unit MECS-G450	Control Unit MECS-G450  Air Flow Meter and Fuel Injector (SPI Body Assy)  RGA50-31 (without ASCD)  RGA50-33 (with ASCD)	EGR Valve AEY77-7	D-xx,xJ  D-xx,xK  D-xx,xE  D-xx,xF

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

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